Chandra Asri

Technical Data Sheet (TDS)

Form-Fill-Seal (FFS)

CAP-TDS-BFR-700-FFS BFR-01

Product Description:

Form-Fill-Seal (FFS) or Bag Film Roll (BFR) is a high-quality heavy duty packaging material designed for packaging process in various industries. This roll is specifically manufactured for use in FFS machines to create durable bags.

Product Characteristics:

- High stiffness and toughness
- Superior sealing performance
- Excellent drop impact and tear resistance
- Printing and branding capabilities

Product Properties	Test Method*	Unit	Value
Thickness	CAP Method	µm	130 – 180
Tensile at Yield MD	ASTM D 882	MPa	min. 10
Tensile at Yield TD	ASTM D 882	MPa	min. 10
Tensile at Break MD	ASTM D 882	MPa	min. 30
Tensile at Break TD	ASTM D 882	MPa	min. 30
Elongation at Break MD	ASTM D 882	%	min. 500
Elongation at Break TD	ASTM D 882	%	min. 600
Dart Impact Face	ASTM D 1709	gram	min. 600
Dart Impact Fold	ASTM D 1709	gram	min. 500
COF Static	ASTM D 1894	-	0.40 – 0.70
COF Kinetic	ASTM D 1894	-	0.35 – 0.60

Conversion: 1 MPa = 10.2 kgf/cm^2

Product Available Form:

Bag Film Roll

Packaging:

Protective cover sheet

Safety:

- The product is not classified as a hazardous material.
- Please refer to our Safety Data Sheet (SDS) for details on various aspects of safety, recovery and disposal of the product.

Storage:

- Store product(s) in a dry, dust-free location, at temperatures below 50°C, protected from direct sunlight and/or heat, in a well-ventilated area, away from incompatible materials, food, and drink, as this may lead to quality deterioration, odor generation, color changes, and reduced physical properties.
- Store rolls in an upright position on a flat, stable surface to prevent deformation, and avoid excessive stacking to prevent pressure damage.
- Keep protective packaging/wrapping intact until ready for use to prevent dust and moisture contamination, and protect rolls from sharp or rough surfaces that may cause scratches or tears.
- The storage area should be stable and not sloped.
- Please refer to our Safety Data Sheet (SDS) for further details on storage and handling of the product.

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Regulatory:

- This material complies with recommendations and statutory regulations regarding packaging materials intended to come in contact with foodstuff, such as:
  - BPOM Regulation No.20 Year 2019
  - Halal Certificate from The Indonesian Council of Ulama

Product Stewardship:

PT Chandra Asri Pacific, Tbk. (CAP) has a fundamental concern for all who make, distribute, and use its products, and for the environment in which we live. This concern is the basis for our Product Stewardship philosophy by which we assess the safety, health and environmental information on our products and then take appropriate steps to protect employee, public health and environment. The success of our Product Stewardship program rests with each and every individual involved with CAP products – from the initial concept and research, to manufacture, storage, sale, use and disposal of each product.

Disclaimer:

The nominal properties reported herein are typical on the product of CAP but do not reflect normal testing variance and therefore should not be construed as specifications.

CAP reserves the right to make any improvement or amendments to the composition of any grade or product without alteration to the product code.

This document reports accurate and reliable information to the best of our knowledge on the products manufactured by CAP. Since CAP cannot anticipate or control the conditions under which this information and its product may be used, each user should review the information in the specific context of the intended application. CAP will not be responsible for damages of any nature resulting from the use of or reliance upon the information.

This technical data sheet is effective as of **Aug 2026** and supersedes all data previously published.

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